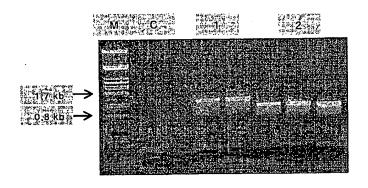
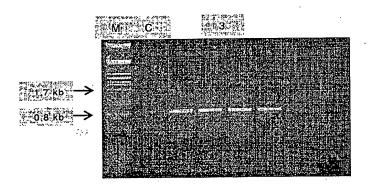
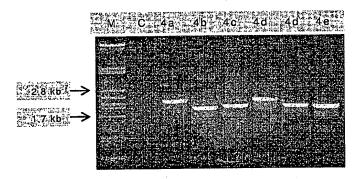
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Fig. 1







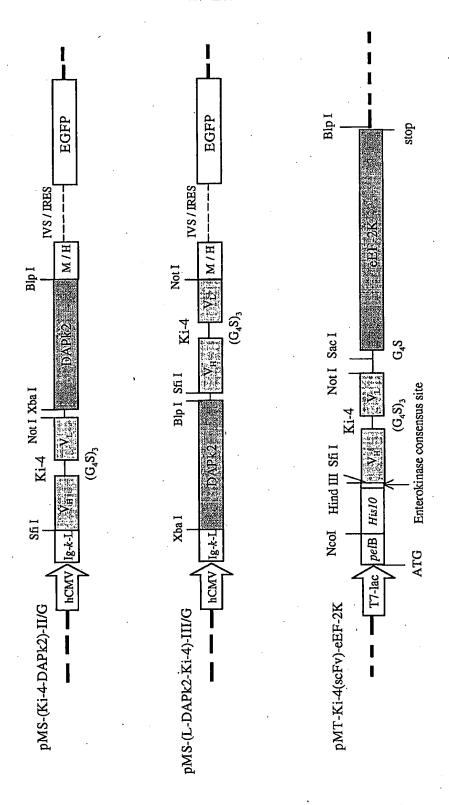
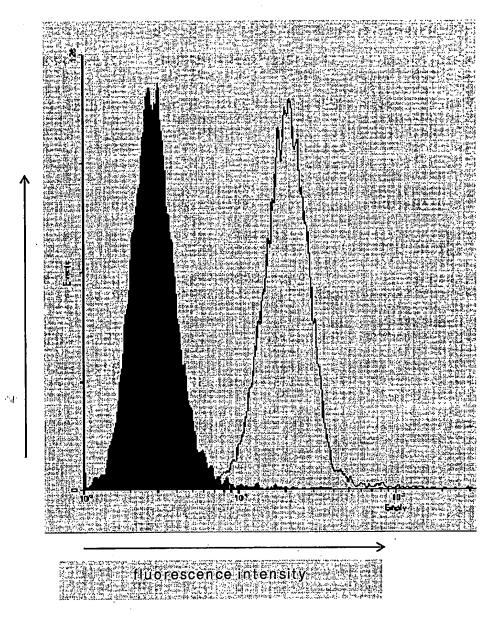


Fig.2

Fig.3



number of cells

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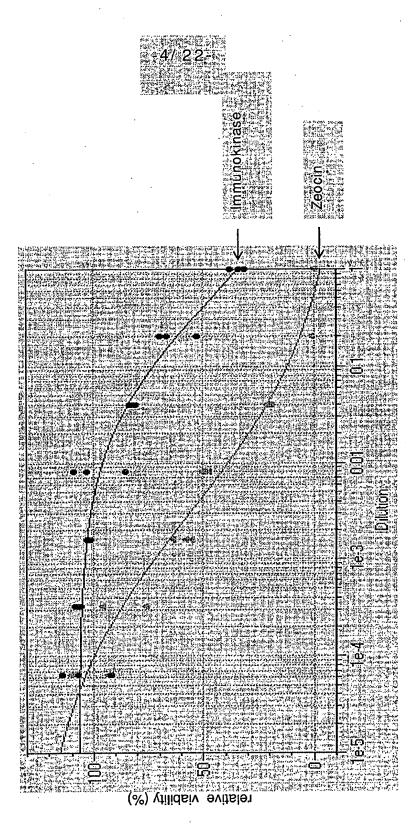


Fig.4

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Fig. atg Met 1	σασ	aca Thr	gac Asp	aca Thr 5	ctc Leu	ctg Leu	cta Leu	tgg Trp	gta Val 10	ctg Leu	ctg Leu	ctc Leu	tgg Trp	gtt Val 15	cca Pro	48
ggt Gly	tcc Ser	act Thr	ggt Gly 20	gac Asp	tct Ser	aga Arg	atg Met	gtc Val 25	cag Gln	gcc Ala	tcg Ser	atg Met	agg Arg 30	agc Ser	cca Pro	96
aat Asn	atg Met	gag Glu 35	acg Thr	ttc Phe	aaa Lys	cag Gln	cag Gln 40	aag Lys	gtg Val	gag Glu	gac Asp	ttt Phe 45	tat Tyr	gat Asp	att Ile	144
gga Gly	gag Glu 50	gag Glu	ctg Leu	ggc Gly	agt Ser	ggc Gly 55	cag Gln	ttt Phe	gcc Ala	atc Ile	gtg Val 60	aag Lys	aag Lys	tgc Cys	cgg Arg	192
gag Glu 65	aag Lys	agc Ser	acg Thr	Gly ggg	ctg Leu 70	gag Glu	tat Tyr	gca Ala	gcc Ala	aag Lys 75	ttc Phe	att Ile	aag Lys	aag Lys	agg Arg 80	240
cag Gln	agc Ser	cgg Arg	gcc Ala	agc Ser 85	cgt Arg	cgg Arg	ggc Gly	gtg Val	tgc Cys 90	ćgg Arg	gag Glu	gaa Glu	atc Ile	gag Glu 95	cgg Arg	288
gag Glu	gtg Val	agc Ser	atc Ile 100	ctg Leu	cgg Arg	cag Gln	gtg Val	ctg Leu 105	cac His	ccc Pro	aac Asn	atc Ile	atc Ile 110	acg Thr	ctg Leu	336
His	gac Asp	gtc Val 115	tat Tyr	gag Glu	aac Asn	cgc Arg	acc Thr 120	gac Asp	gtg Val	gtg Val	ctc Leu	atc Ile 125	ctt Leu	gag Glu	cta Leu	384
"gtg Val	tcc Ser 130	gga Gly	gga Gly	gaa Glu	ctg Leu	ttt Phe 135	gat Asp	ttc Phe	ctg Leu	gcc Ala	cag Gln 140	aag Lys	gag Glu	tcg Ser	tta Leu	432
agt Ser 145	gag Glu	gag Glu	gaa Glu	gcc Ala	acc Thr 150	agc Ser	ttc Phe	att Ile	aag Lys	cag Gln 155	atc Ile	ctg Leu	gat Asp	Gly	gtg Val 160	480
aat Asn	tac Tyr	ctt Leu	cac His	aca Thr 165	aag Lys	aaa Lys	att	gct Ala	cac His 170	ttt Phe	gat Asp	ctc Leu	aag Lys	cca Pro 175	gaa Glu	528
aac Asn	atc Ile	atg Met	ttg Leu 180	tta Leu	gac Asp	aag Lys	aat Asn	atc Ile 185	cca Pro	att Ile	cca Pro	cac	atc Ile 190	aag Lys	ctg Leu	576
att Ile	gac Asp	ttt Phe 195	ggc Gly	ctg Leu	gct Ala	cac His	gaa Glu 200	Ile	gaa Glu	gat Asp	gga Gly	gtt Val 205	gaa Glu	ttt Phe	aaa Lys	. 624
aaċ Asn	att Ile 210	Phe	GJ A GGG	aca Thr	cct Pro	gaa Glu 215	ttt Phe	gtt Val	gct Ala	cca Pro	gaa Glu 220	atc Ile	gtg Val	aac Asn	tat Tyr	672
gag Glu 225	cca	ctg Leu	gga Gly	ctg Leu	gag Glu 230	gcc Ala	gac Asp	atg Met	tgg Trp	agc Ser 235	Ile	gga Gly	gtc Val	atc Ile	acc Thr 240	720

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					gga Gly			ccc		ctg						768
					atc Ile											816
ttc Phe	ttc Phe	agc Ser 275	cag Gln	aca Thr	agc Ser	gag Glu	ctg Leu 280	gcc Ala	aag Lys	gac Asp	ttc Phe	att Ile 285	cgg Arg	aag Lys	ctt Leu	864
ctt Leu	gtg Val 290	aaa Lys	gag Glu	acc Thr	cgg Arg	aaa Lys 295	cgg Arg	ctt Leu	acc Thr	atc Ile	caa Gln 300	gag Glu	gct Ala	ctc Leu	aga Arg	912
					tcc Ser 310											960°
					cag Gln											1008
gca Ala	aag Lys	cct Pro	ggg Gly 340	gcc Ala	gca Ala	gtg Val	aag Lys	atg Met 345	tcc Ser	tgc Cys	aag Lys	gct Ala	tct Ser 350	ggc Gly	tac Tyr	1056
					tgg Trp											1104
					gga Gly											1152
					aag Lys 390											1200
					atg Met											1248
gca Ala	gtc Val	tat Tyr	tac Tyr 420	tgt Cys	gca Ala	aaa Lys	aag Lys	aca Thr 425	act Thr	cag Gln	act Thr	acg Thr	tgg Trp 430	Gly	ttt Phe	1296
cct Pro	ttt Phė	tgg Trp 435	ggc Gly	caa Gln	Gly ggg	acc Thr	acg Thr 440	gtc Val	acc Thr	gtc Val	tcc Ser	tca Ser 445	ggt Gly	gga Gly	ggc Gly	1344
					ggc Gly											1392
					tcc Ser 470											1440

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							- 1	1 2	<u>~</u> -				
					agt Ser								1488
					cag Gln								1536
					gtc Val								1584
					acc Thr							gca Ala	1632
-			-		cag Gln 550				_	_		 -	1680
		_	-	-	atc Ile				-		-		1728
					gat Asp								1776
cat His	cat His	tga 595											1785

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Fig. 6

												_			
1			Asp	5					10					15	
			Gly 20					25					30		
Asn	Met	Glu 35	Thr	Phe	Lys	Gln	Gln 40		Val	Glu	Asp	Phe 45	Tyr	Asp	Ile
Gly	Glu 50	Glu	Leu	Gly	Ser	Gly 55	Gln	Phe	Ala	Ile	Val 60	Lys	Lys	Cys	Arg
Glu 65	Lys	Ser	Thr	Gly	Leu 70	Glu	Tyr	Ala	Ala	Lys 75	Phe	Ile	Lys	Lys	Arg .80
Gln	Ser	Arg	Ala	Ser 85	Arg	Arg	Gly	Val	Cys 90	Arg	Glu	Glu	Ile	Glu 95	Arg
Glu	Val	Ser	Ile 100	Leu	Arg	Gln	Val	Leu 105	His	Pro	Asn	Ile	Ile 110	Thr	Leu
His	Asp	Val 115	Tyr	Glu	Asn	Arg	Thr 120	Asp	Val	Val	Leu	11e 125	Leu	Glu	Leu
Val	Ser 130	Gly	Gly	Glu	Leu	Phe 135	Asp	Phe	Leu	Ala	Gln 140	Lys	Glu	Ser	Leu
145	Glu		Glu		150					155					160
Asn			His	165					170					175	
			Leu 180					185					190		
		195	Gly				200			•		205			
	210		Gly			215					220				
225	Pro		Gly		230					235					240
Tyr	Ile	Leu	Leu	Ser 245		Ala	Ser	Pro	Phe 250	Leu	Gly	Asp	Thr	Lys 255	Gln
			Ala 260					265					.270		
		275	Gln				280					285			
	290		Glu			295					300				
305			Ile		310					315					320
			Met	325					330					335	
			Gly 340					345				•	350		
		355					360					365			
	370		Trp			375	,				380				
385			Lys		390					395					400
Ser	Ser		Ala	405	,				410					415	
			Tyr 420					425					430		
		435	Gly				440					445			
Gly	Ser 450		Gly	Gly	Gly	Ser 455		Gly	Gly	Gly	Ser 460	Asp	Ile	Val	Leu

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Thr 465	Gln	Ser	Pro	Lys	Ser 470	Met	Ala	Met	Ser	Val 475	Gly	Glu	Arg	Val	Thr 480
Leu	Ser	Cys	Lys	Ala 485	Ser	Glu	Asn	Val	Asp 490	Ser	Phe	Val	Ser	Trp 495	Tyr
			500	Gly				505		•			510		
Asn	Arg	Tyr 515	Thr	Gly	Val	Pro	Asp 520	Arg	Phe	Ala	Gly	Ser 525	Gly	Ser	Gly
Arg	Asp 530	Phe	Thr	Leu	Thr	Ile 535	Ser	Ser	Val	Gln	Ala 540	Glu	Asp	Leu	Ala
Asp 545	Tyr	His	Суз	Gly	Gln 550	Asn	Tyr	Arg	Tyr	Pro 555	Leu	Thr	Phe	Gly	Ala 560
Gly	Thr	Lys	Leu	Glu 565	Ile	Lys	Arg	Ala	Ala 570	Ala	Gly	Pro	Glu	Gln 575	Lys
Leu	Ile	Ser	Glu 580	Glu	Asp	Leu	Asn	Ser 585	Ala	Val	Asp	His	His 590	His	His
His	His														

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Fig.	7															40
atg Met 1	gag Glu	aca Thr	gac Asp	aca Thr 5	ctc Leu	ctg Leu	Leu	tgg Trp	Val 10	ctg Leu	Leu	Leu	tgg Trp	Val 15	Pro	48
ggt Gly	tcc Ser	act Thr	ggt Gly 20	gac Asp	gcg Ala	gcc Ala	cag Gln	ccg Pro 25	gcc Ala	atg Met	gcc Ala	cag Gln	gtc Val 30	aag Lys	ctg Leu	96
cag Gln	gag Glu	tca Ser 35	ggg Gly	act Thr	gaa Glu	ctg Leu	gca Ala 40	aag Lys	cct Pro	Glà aàa	gcc Ala	gca Ala 45	gtg Val	aag Lys	atg Met	144
tcc Ser	tgc Cys 50	aag Lys	gct Ala	tct Ser	ggc Gly	tac Tyr 55	acc Thr	ttt Phe	act Thr	gac Asp	tac Tyr 60	tgg Trp	atg Met	cac His	tgg Trp	192
gtt Val 65	aaa Lys	cag Gln	agg Arg	cct Pro	gga Gly 70	cag Gln	ggt Gly	ctg Leu	gaa Glu	tgg Trp 75	att Ile	gga Gly	tac Tyr	att Ile	aat Asn 80	240
cct Pro	aac Asn	act Thr	gct Ala	tat Tyr 85	act Thr	gac Asp	tac Tyr	aat Asn	cag Gln 90	aaa Lys	ttc Phe	aag Lys	gac Asp	aag Lys 95	gcc Ala	288
aca Thr	ttg Leu	act Thr	gca Ala 100	gac Asp	aaa Lys	tcc Ser	tcc Ser	agc Ser 105	aca Thr	gcc Ala	tac Tyr	atg Met	caa Gln 110	ctg Leu	cgc Arg	·336
agc Ser	ctg Leu	acc Thr 115	tct Ser	gag Glu	gat Asp	tct Ser	gca Ala 120	Val	tat Tyr	tac Tyr	tgt Cys	gca Ala 125	aaa Lys	aag Lys	aca Thr	384
act Thr	cag Gln 130	act Thr	acg Thr	tgg Trp	ggg Gly	ttt Phe 135	cct Pro	ttt Phe	tgg Trp	ggc Gly	caa Gln 140	ggg Gly	acc Thr	acg Thr	gtc Val	432
acc Thr 145	gtc Val	tcc Ser	tca Ser	ggt Gly	gga Gly 150	ggc	ggt Gly	tca Ser	ggc Gly	gga Gly 155	ggt Gly	ggc Gly	tct Ser	ggc	ggt Gly 160	480
ggc Gly	gga Gly	tcg Ser	gac Asp	att Ile 165	gtg Val	ctg Leu	acc Thr	cag Gln	tct Ser 170	cca Pro	aaa Lys	tcc Ser	atg Met	gcc Ala 175	atg Met	528
tca Ser	gtc Val	gga Gly	gag Glu 180	agg Arg	gtc Val	acc Thr	ttg Leu	agc Ser 185	tgc Cys	aag Lys	gcc Ala	agt Ser	gag Glu 190	aat Asn	gtg Val	576
gat Asp	tct Ser	ttt Phe 195	gtt Val	tcc Ser	tgg Trp	tat Tyr	caa Gln 200	cag Gln	aaa Lys	cca Pro	ggc Gly	cag Gln 205	tct Ser	cct Pro	aaa Lys	624
ctg Leu	ctg Leu 210	ata Ile	tac Tyr	Gly	gcc Ala	tcc Ser 215	aac Asn	cgg Arg	tac Tyr	act Thr	ggg Gly 220	gtc Val	ccc Pro	gat Asp	cgc Arg	672
ttc Phe 225	Ala	ggc	agt Ser	gga Gly	tct Ser 230	gga Gly	aga Arg	gat Asp	ttc Phe	act Thr 235	Leu	acc Thr	atc Ile	agc Ser	agt Ser 240	720

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										1/2							260
7	gtg /al	cag Gln	gct Ala	gaa Glu	gac Asp 245	ctt Leu	gca Ala	gat Asp	tat Tyr	cac His 250	tgt Cys	gga Gly	Cag Gln	aat Asn	tac Tyr 255	agg Arg	768
†	at Tyr	ccg. Pro	ctc Leu	acg Thr 260	ttc Phe	ggt Gly	gct Ala	ggc Gly	acc Thr 265	aag Lys	ctg Leu	gaa Glu	atc Ile	aaa Lys 270	Arg	gcg Ala	816
2	gcc Ala	gca Ala	ctc Leu 275	gag Glu	tct Ser	aga Arg	atg Met	gtc Val 280	cag Gln	gcc Ala	tcg Ser	atg Met	agg Arg 285	agc Ser	cca Pro	aat Asn	864
j	atg Met	gag Glu 290	acg Thr	ttc Phe	aaa Lys	cag Gln	cag Gln 295	aag Lys	gtg Val	gag Glu	gac Asp	ttt Phe 300	tat Tyr	gat Asp	att Ile	gga Gly	912
(gag Glu 305	gag Glu	ctg Leu	ggc Gly	agt Ser	ggc Gly 310	cag Gln	ttt Phe	gcc Ala	atc Ile	gtg Val 315	aag Lys	aag Lys	tgc Cys	cgg Arg	gag Glu 320	960
	aag Lys	agc Ser	acg Thr	ggg	ctg Leu 325	gag Glu	tat Tyr	gca Ala	gcc Ala	aag Lys 330	ttc Phe	att Ile	aag Lys	aag Lys	agg Arg 335	cag Gln	1008
	agc Ser	cgg Arg	gcc Ala	agc Ser 340	cgt Arg	cgg Arg	ggc Gly	gtg Val	tgc Cys 345	cgg Arg	gag Glu	gaa Glu	atc Ile	gag Glu 350	cgg Arg	gag Glu	1056
	gtg Val	agc Ser	atc Ile 355	ctg Leu	cgg Arg	cag Gln	gtg Val	ctg Leu 360	cac His	ccc Pro	aac Asn	atc Ile	atc Ile 365,	Thr	ctg Leu	cac His	1104
	gac Asp	ctc Leu 370	tat Tyr	gag Glu	aac Asn	cgc Arg	acc Thr 375	gac Asp	gtg Val	gtg Val	ctc Leu	atc Ile 380	ctt Leu	gag Glu	cta Leu	gtg Val	1152
	tcc Ser 385	gga Gly	gga Gly	gaa Glu	ctg Leu	ttt Phe 390	gat Asp	ttc Phe	ctg Leu	gcc Ala	cag Gln 395	aag Lys	gag Glu	tcg Ser	tta Leu	agt Ser 400	1200
	gag Glu	gag Glu	gaa Glu	gcc Ala	acc Thr 405	agc Ser	ttc Phe	att Ile	aag Lys	cag Gln 410	atc Ile	ctg Leu	gat Asp	Gly	gtg Val 415	aat Asn	1248
	tac Tyr	ctt Leu	cac	aca Thr 420	Lys	aaa Lys	att Ile	gct Ala	cac His 425	ttt Phe	gat Asp	ctc Leu	aag Lys	cca Pro 430	gaa Glu	aac Asn	1296
	atc Ile	atg Met	ttg Leu 435	Leu	gac Asp	aag Lys	aat Asn	atc Ile 440	Pro	att Ile	cca Pro	cac His	atc Ile 445	Lуs	ctg Leu	att, Ile	1344
	gac Asp	ttt Phe 450	Gly	ctg Leu	gct Ala	cac His	gaa Glu 455	Ile	gaa Glu	gat Asp	gga Gly	gtt Val 460	gaa Glu	ttt Phe	aaa Lys	aac Asn	1392
	att Ile 465	ttt Phe	ggg Gly	aca Thr	cct Pro	gaa Glu 470	Phe	gtt Val	gct Ala	cca Pro	gaa Glu 475	Ile	gtg Val	aac Asn	tat Tyr	gag Glu 480	1440

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cca Pro	ctg Leu	gga Gly	ctg Leu	gag Glu 485	gcc Ala	gac Asp	atg Met	tgg Trp	agc Ser 490	att Ile	gga Gly	gtc Val	atc Ile	acc Thr 495	tat Tyr	1488
atc Ile	ctt Leu	cta Leu	agt Ser 500	gga Gly	gcg Ala	tcc Ser	ccc Pro	ttc Phe 505	ctg Leu	gga Gly	gac Asp	aca Thr	aaa Lys 510	caa Gln	gaa Glu	1536
acc Thr	ctg Leu	gca Ala 515	aat Asn	atc Ile	act Thr	gct Ala	gtg Val 520	agt Ser	tac Tyr	gac Asp	ttt Phe	gat Asp 525	gag Glu	gaa Glu	ttc Phe	1584
ttc Phe	agc Ser 530	cag Gln	aca Thr	agc Ser	gag Glu	ctg Leu 535	gcc Ala	aag Lys	gac Asp	ttc Phe	att Ile 540	cgg Arg	aag Lys	ctt Leu	ctt Leu	1632
gtg Val 545	aaa Lys	gag Glu	acc Thr	cgg Arg	aaa Lys 550	cgg Arg	ctt Leu	acc Thr	atc Ile	caa Gln 555	gag Glu	gct Ala	ctc Leu	aga Arg	cat His 560	1680
ccc Pro	tgg Trp	atc Ile	gga Gly	tcc Ser 565	aaa Lys	cta Leu	gct Ala	gag Glu	cac His 570	gaa Glu	ttt Phe	cga Arg	gga Gly	ggg Gly 575	ccc Pro	1728
gaa Glu	caa Gln	aaa Lys	ctc Leu 580	atc Ile	tca Ser	gaa Glu	gag Glu	gat Asp 585	ctg Leu	aat Asn	agc Ser	gcc Ala	gtc Val 590	gac Asp	cat His	1776
	cat His				tga	·										1794

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Fig. 8

_															
1			Asp	5					10					15	
_			Gly 20					25	•				30		
		35	Gly				40			•		45	:		
Ser	Cys 50	Lys	Ala	Ser	Gly	Tyr 55	Thr	Phe	Thr	Asp	Tyr 60	Trp	Met	His	Trp
65	-		Arg		70					75					80
			Ala	85					90					95	
			Ala 100					105					110		
		115	Ser				120					125			
	130		Thr			135			•		140				
145			Ser		150					155					160
			Asp	165					170					175	
			Glu 180					185					190		
_		195					200					205			
	210		Tyr			215					220				
225			Ser		230			•		235					240
			Glu	245					250					255	
			Thr 260					265					270		
		275					280					285			
	290		Phe			295					300				
305			Gly		310					315					320
			Gly	325					330					335	
			Ser 340					345					350		
		355					360					365			
_	370		Glu			375					380				
385			Glu		390					395					400
			Ala	405					410					415	
			420					425					430		
		435					440					445			
Asp	Phe 450		Leu	Ala	His	Glu 455		Glu	Asp	Gly	Val 460		rhe	гЛг	Asn

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Ile 465	Phe	Gly	Thr	Pro	Glu 470	Phe	Val	Ala	Pro	Glu 475	Ile	Val	Asn	Tyr	Glu 480
	Leu	Glу	Leu	Glu 485	Ala	Asp	Met	Trp	Ser 490	Ile	Gly	Val	Ile	Thr 495	Tyr
Ile	Leu	Leu	Ser 500	Gly	Ala	Ser	Pro	Phe 505	Leu	Gly	Asp	Thr	Lys 510	Gln	Glu
		515					520					525	Glu		
Phe	Ser 530	Gln	Thr	Ser	Glu	Leu 535	Ala	Lys	Asp	Phe	Ile 540	Arg	Lys	Leu	Leu
Val 545	ГÀЗ	Glu	Thr	Arg	Lys 550	Arg	Leu	Thr	Ile	Gln 555	Glu	Ala	Leu	Arg	His 560
Pro	Trp	Ile	Gly	Ser 565	ГЛЗ	Leu	Ala	Glu	His 570	Glu	Phe	Arg	Gly	Gly 575	Pro
Glu	Gln	Lys	Leu 580	Ile	Ser	Glu	Glu	Asp 585	Leu	Asn	Ser	Ala	Val 590	Asp	His
His	His	His 595	His	His											

1.0

1.4

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Fig	9															
atg	aaa	tac Tyr	ctg Leu	ctg Leu 5	ccg Pro	acc Thr	gct Ala	gct Ala	gct Ala 10	ggt Gly	ctg Leu	ctg Leu	ctc Leu	ctc Leu 15	gct Ala	48
gcc Ala	cag Gln	ccg Pro	gcg Ala 20	atg Met	gcc Ala	atg Met	ggc Gly	cat His 25	cat His	cat His	cat His	cat His	cat His 30	cat His	cat His	96
cat His	cac His	agc Ser 35	agc Ser	ggc Gly	cat His	atc Ile	gac Asp 40	gac Asp	gac Asp	gac Asp	aag Lys	cat His 45	atg Met	aag Lys	ctt Leu	144
					atg Met											192
gaa Glu 65	ctg Leu	gca Ala	aag Lys	cct Pro	ggg Gly 70	gcc Ala	gca Ala	gtg Val	aag Lys	atg Met 75	tcc Ser	tgc Cys	aag Lys	gct Ala	tct Ser 80	240
					gac Asp											288
gga Gly	cag Gln	ggt Gly	ctg Leu 100	gaa Glu	tgg Trp	att Ile	gga Gly	tac Tyr 105	att Ile	aat Asn	cct Pro	aac Asn	act Thr 110	gct Ala	tat Tyr	336
					aaa Lys											384
aaa Lys	tcc Ser 130	tcc Ser	agc Ser	aca Thr	gcc Ala	tac Tyr 135	atg Met	caa Gln	ctg Leu	cgc Arg	agc Ser 140	ctg Leu	acc Thr	tct Ser	gag Glu	432
gat Asp 145	tct Ser	gca Ala	gtc Val	tat Tyr	tac Tyr 150	tgt Cys	gca Ala	aaa Lys	aag Lys	aca Thr 155	act Thr	cag Gln	act Thr	acg Thr	tgg Trp 160	480
ggg Gly	ttt Phe	cct	ttt Phe	tgg Trp 165	ggc Gly	caa Gln	ggg Gly	acc Thr	acg Thr 170	gtc Val	acc Thr	gtc Val	tcc Ser	tca Ser 175	ggt Gly	528
gga Gly	ggc Gly	ggt Gly	tca Ser 180	Gly	gga Gly	ggt Gly	ggc Gly	tct Ser 185	ggc Gly	ggt Gly	ggc Gly	gga Gly	tcg Ser 190	gac Asp	att Ile	576
gtg Vaį	ctg Leu	acc Thr 195	cag Gln	tct Ser	cca Pro	aaa Lys	tcc Ser 200	atg Met	gcc Ala	atg Met	tca Ser	gtc Val 205	gga Gly	gag Glu	agg Arg	624
gtc Val	acc Thr 210	ttg Leu	agc Ser	tgc Cys	aag Lys	gcc Ala 215	agt Ser	gag Glu	aat Asn	gtg Val	gat Asp 220	tct Ser	ttt Phe	gtt Val	tcc Ser	672
tgg Trp 225	tat Tyr	cáa Gln	cag Gln	aaa Lys	cca Pro 230	ggc Gly	cag Gln	tct Ser	cct Pro	aaa Lys 235	ctg Leu	ctg Leu	ata Ile	tac Tyr	ggg Gly 240	720

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gcc Ala	tcc Ser	aac Asn	cgg Arg	tac Tyr 245	act Thr	G1A âââ	gtc Val	ccc Pro	gat Asp 250	Arg	ttc Phe	gca Ala	G17 ggc	agt Ser 255	gga Gly	768
tct Ser	gga Gly	aga Arg	gat Asp 260	ttc Phe	act Thr	ctg Leu	acc Thr	atc Ile 265	agc Ser	agt Ser	gtg Val	cag Gln	gct Ala 270	gaa Glu	gac Asp	816
													ctc Leu			864
													gag Glu			912
													ctg Leu			960
													gat Asp			1008
ggg Gly	gac Asp	agc Ser	gac Asp 340	gat Asp	gag Glu	gaa Glu	ggt Gly	tac Tyr 345	ttc Phe	atc Ile	tgc Cys	ccc Pro	atc Ile 350	acg Thr	gat Asp	1056
_		_	_		-		_			_	_		aag Lys			1104
													tcc Ser			1152
													cag Gln			1200
													gat Asp		Ala	1248
													ggg Gly 430			1296
ctg Leu	gat Asp	gat Asp 435	gaa Glu	gtt Val	ctg Leu	atc Ile	aag Lys 440	atg Met	gca Ala	tct Ser	cag Gln	ccc Pro 445	ttc Phe	ggc Gly	cga Arg	1344
													aac Asn			1392
													aag Lys			1440

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atc Ile	gag Glu	ccc Pro	gta Val	gac Asp 485	cgg Arg	gat Asp	gtg Val	tac Tyr	ttt Phe 490	gag Glu	gac Asp	gtg Val	cgt Arg	cta Leu 495	cag Gln	1488
atg Met	gag Glu	gcc Ala	aag Lys 500	ctc Leu	tgg Trp	ggg Gly	gag Glu	gag Glu 505	tat Tyr	aat Asn	cgg Arg	cac His	aag Lys 510	ccc Pro	ccc Pro	1536
					atg Met											1584
-		_			ttc Phe		_							_		1632
					aac Asn 550											1680
_	_	_	_	_	ttc Phe	_						_				1728
					gac Asp											1776
					gag Glu											1824
ggt Gly	gtc Val 610	cgc Arg	ggg Gly	atg Met	gcg Ala	ctc Leu 615	ttc Phe	ttc Phe	tac Tyr	tct Ser	cat His 620	gcc Ala	tgc Cys	aac Asn	cgg Arg	1872
					ggc Gly 630											1920
					cag Gln											1968
					gag Glu											2016
					cca Pro											2064
					agc Ser											2112
		_	_		cca Pro 710		_	_	_		-					2160

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	gtc Val															2208
	gac Asp			~ ~					-		-	_				2256
	gag Glu														ggc Gly	2304
cac	tca Ser 770	tac Tyr	agt Ser	aat Asn	cgg Arg	aag Lys 775	tac Tyr	gag Glu	tct Ser	gac Asp	gaa Glu 780	gac Asp	agc Ser	ctg Leu	ggc Gly	2352
	tct Ser															2400
	ctc Leu															2448
	aat Asn															2496
	gtc Val															2544
	aag Lys 850														gag Glu	2592
	gca Ala															2640
	tac Tyr															2688
	aca Thr															2736
gct Ala	gaa Glu	gct Ala 915	ggc Gly	gac Asp	agg Arg	cag Gln	tcc Ser 920	atg Met	atc Ile	ċta Leu	gtg Val	Ala	cga Arg	gct Ala	ttt Phe	2784
	tct Ser 930															2832
	ctg Leu															2880

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ggc ggt Gly Gly											2928
gcc agg Ala Arg	Glu										2976
gac ccg Asp Pro				Asp				Ala			3024
atg gaa Met Glu 1010	Ala		Gly				Gln				3072 ·
gaa gag Glu Glu 1025	-	 Ala	_	_	 	taa					3102

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Fig	. 10														
1	Lys			5					10					15	
Ala	Gln	Pro	Ala 20	Met	Ala	Met	Gly	His 25	His	His	His	His	His 30	His	His
	His	35					40					45			
	Ala 50					55					60			_	
65	Leu				70					75	•		_		80
	Tyr			85					90					95	
	Gln		100					105		•			110		_
	Asp	115			7		120		_			125			-
-	Ser 130 Ser					135				_	140				
145	Phe			_	150	_				155					160
	Gly	•		165	-		-		170					175	-
	Leu		180			•		185					190		
	Thr	195					200					205			
	210 Tyr		•	_	-	215					220				
225					230					235					240
	Ser			245					250					255	
	.Gly		260					265					270		_
	Ala	275	-		_	_	280		_	_	_	285			
_	Ala 290	_		_		295		_	_		300				_
305	GJA	_			310	_		_		315		_			320
	Asp	_	_	325					330		_	_	_	335	_
	Asp		340					345					350		
_	Pro	355					360			*-		365	-	_	_
	Asn 370			_		375	_	_			380	_			
385	Ser				390			-	-	395				_	400
Lys	His	Met	Pro	Asp 405	Pro	Trp	Ala	Glu	Phe 410	His	Leu	Glu	Asp	Ile 415	Ala
	Glu	_	420		_		_	425					430		_
	Asp	435					440					445	•	_	_
_	Ala 450		_		-	455	_		_	-	460				
His 465	Ala	Gln	Gln	Trp	Lys 470	Gly	Ala	Ser	Asn	Tyr 475	Val	Ala	Lys	Arg	Tyr 480

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												•			
·Ile	Glu	Pro	Val	Asp 485	Arg	Asp	Val	Tyr	Phe 490	Glu	Asp	Val	Aŕg	Leu 495	Gln
Met	Glu	Ala	Lys 500	Leu	Trp	Gly	Glu	Glu 505	Tyr	Asn	Arg	His	Lys 510	Pro	Pro
Lys	Gln	Val 515	Asp	Ile	Met	Gln	Met 520	Суѕ	Ile	Ile	Glu	Leu 525	Lys	Asp	Arg
Pro	Gly 530	Lys	Pro	Leu	Phe	His 535	Leu	Glu	His	Tyr	11e 540	Glu	Gly	Lys	Tyr
Ile 545	Lys	Tyr	Asn		Asn 550	Ser	Gly	Phe	Val	Arg 555		Asp	Asn	Ile	Arg 560
Leu	Thr	Pro	Gln	Ala 565	Phe	Ser	His	Phe	Thr 570	Phe	Glu	Arg	Ser	Gly 575	His
Gln	Leu	Ile	Val 580	Val	Asp	Ile	Gln	Gly 585	Val	Gly	Asp	Leu	Tyr 590	Thr	Asp
		595					600			-		605		Asn	
-	610	_	_			615			_		620		-	Asn	_
11e 625	Суз	Glu	Ser	Met	Gly 630	Leu	Ala	Pro	Phe	Asp 635	Leu	Ser	Pro	Arg	Glu 640
	Asp	Ala	Val	Asn 645		Asn	Thr	Lys	Leu 650		Gln	Ser	Ala	Lys 655	
Ile	Leu	Arg	Gly 660	Thr	Glu	Glu	Lys	Cys 665	Gly	Ser	Pro	. Arg	Val 670	Arg	Thr
Leu	Ser	Gly 675	Ser	Arg	Pro	Pro	Leu 680	Leu	Arg	Pro	Leu	Ser 685	Glu	Asn	Ser
	690					695				_	700			Ser	
705					710					715				His	720
				725					730					735	
тел	Asp	Asn	740	Arg	GII	ser	GIU	745	, ser	стА	Asp	ser	750	Tyr	PIO
		755					760					765		His	
	770	-			_	775	_			_	780	_		Leu	_
785					790					795				Ser	800
•				805	-				810					Gln 815	_
Leu	Asn	Ala	ьеи 820	Asp	Leu	GIU	гÀг	ьуs 825	TTE	GIĀ	тйг	ser	830	Leu	СТА
Lys	Val	His 835	Leu	Ala	Met	Val	Arg 840	Tyr	His	Glu	Gly	Gly 845	Arg	Phe	Суз
	850	-			-	855					860			Leu	
865					870					875		_		Gly	880
	-			885					890		-			895	Lys
			900		_		_	905		_	_		910	ГЛЗ	
		915	_	-			920					925		Ala	
_	930					935					940			Leu	
Ala 945	Leu	His	Trp	Tyr	Asn 950	Thr	Ala	Leu	Glu	Met 955	Thr	Asp	Cys	Asp	Glu 960

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Fig. 11
Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser

Fig. 12
Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu

Fig. 13
Asp Xaa Trp Xaa Xaa Gly